





TYPE III-DF SERVICE EQUIPMENT ENCLOSURE

TYPICAL

GROUNDING ELECTRODE LOCATION BASE FOR TYPE Ⅲ-D SERVICE EQUIPMENT ENCLOSURE DETAIL A

CONDUIT ENTRANCE 00 0

SERVICE ENTRANCE

- 1. Unless otherwise indicated on the plans, service equipment items shall be provided for each service equipment enclosure as shown.
- Connect to remote test switch mounted on lighting standards, sign post or structure when required.
- Items No. (1), (6) and (7) shall be isolated from the service equipment enclosure.
- Type ${\mathbb I}$ photoelectric control shall be used unless otherwise indicated on the plans.
- Color of insulation of the neutral shall be gray for the 277/480 V system and shall be white for the 120/240 V system.
- 6. Items (3) , (2) and (35) shall be ganged operated CB.
- The NEMA 3R enclosure shall be located to the side of the service equipment enclosure unless otherwise indicated on the plans.
- The base dimension for the NEMA 3R enclosure for the transformer shall be as per manufacturer's design.

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TYPE III-D SERVICE (277/480 V) EQUIPMENT LEGEND						
ITEM No.	COMPONENT	NAMEPLATE DESCRIPTION	ITEM No.	COMPONENT	NAMEPLATE DESCRIPTION	
1	NEUTRAL LUG		20	20 A, 120 V, 1P, CB	IRRIGATION (120 V)	
2	LANDING LUG		2	10 A, 277 V, 1P, CB	LIGHTING CONTROL (277 V)	
3	TEST BYPASS FACILITY		23	PHOTOELECTRIC UNIT (NOTE 4)	PEU (120/240 V)	
4	METER SOCKET AND SUPPORT		[23	15 A, 1P, TEST SWITCH	LIGHTING TEST SWITCH (277 V)	
(5)	TERMINAL BLOCKS		23	30 A, 2P, NO CONTACTOR	LIGHTING (480 V)	
6	NEUTRAL BUS	NEUTRAL BUS (480 V)	23	15 A, 120 V, 1P, CB	IISNS (120 V)	
7	NEUTRAL BUS	NEUTRAL BUS (240 V)	23	30 A, 3P, NO CONTACTOR	INTERSECTION LIGHTING (120 V)	
8	GROUND BUS		2	20 A, 120 V, 1P, CB	TELEPHONE DEMARCATION CABINET (120 V)	
9	GROUNDING ELECTRODE		23	20 A, 480 V, 3P, CB	SPACE	
10	30 A, 2P, NO CONTACTOR	SIGN ILLUMINATION (480 V)	29	15 kVA, 480-120/240 V TRANSFORMER	TRANSFORMER, 15 kVA, 480-240 V	
1	PHOTOELECTRIC UNIT (NOTE 4)	PEU (277/480 V PEU)	33	40 A, 480 V, 2P, CB	TRANSFORMER PRIMARY (480 V)	
12	15 A, 1P, TEST SWITCH	SIGN ILLUMINATION TEST SWITCH (277 V)	3	80 A, 240 V, 2P, CB	TRANSFORMER SECONDARY (240 V)	
(3)	10 A, 277 V, 1P, CB	SIGN ILLUMINATION CONTROL (277 V)	32	30 A, 240 V, 2P, CB	INTERSECTION LIGHTING (240 V)	
14	15 A, 120 V, 1P, CB	FLASHING BEACON (120 V)	[3]	NEMA 3R ENCLOSURE WITH LOUVERS	TRANSFORMER, 15 kVA, 480-240 V	
13	15 A, 480 V, 2P, CB	SIGN ILLUMINATION (480 V)	34	15 A, 1P, TEST SWITCH	IISNS AND INTERSECTION LIGHTING TEST SWITCH (120 V)	
16	100 A, 480 V, 3P, CB	MAIN BREAKER (480 V)	33	10 A, 120 V, 1P, CB	IISNS AND INTERSECTION LIGHTING CONTROL (120 V)	
\bigcirc	15 A, 480 V, 2P, CB	LIGHTING (480 V)	STATE OF CALIFORNIA			
(18)	50 A, 120 V, 1P, CB	SIGNAL (120 V)			OF TRANSPORTATION	
(19)	30 A, 120 V, 1P, CB	RAMP METERING (120 V)		FLECTRIC	AL SYSTEMS	

ELECTRICAL SYSTEMS (SERVICE EQUIPMENT ENCLOSURE AND TYPICAL WIRING DIAGRAM, TYPE III-D SERIES)

RSP ES-2G DATED JULY 21, 2017 SUPERSEDES STANDARD PLAN ES-2G DATED OCTOBER 30, 2015 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2015.

REVISED STANDARD PLAN RSP ES-2G

NO SCALE

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